

1        This listing of claims will replace all prior versions, and listings, of claims  
2        in the application.

3

4 **Listing of Claims:**

5

6        Claim 1 (Previously presented): A method comprising:  
7           generating a policy digest for a cached policy that applies to a client, the  
8           policy digest identifying at least one assertion the client is complying with; and  
9           including the policy digest in a request by the client to access a resource.

10

11        Claim 2 (Original):              The method of claim 1, wherein generating the  
12           policy digest includes generating a hash of the cached policy.

13

14        Claim 3 (Original):              The method of claim 1, wherein generating the  
15           policy digest includes encoding a bit vector identifying selected assertions from the  
16           cached policy.

17

18        Claim 4 (Original):              The method of claim 1, wherein generating the  
19           policy digest includes reading an assertion from the policy, assigning a bit value to  
20           the assertion, and writing the bit value to a bit vector.

21

22        Claim 5 (Original):              The method of claim 1, wherein generating the  
23           policy digest includes generating a hash of the cached policy if the cached policy is  
24           normalized.

1  
2       Claim 6 (Original):           The method of claim 1, further comprising:  
3              incrementing a counter each time the cached policy is used; and  
4              removing the cached policy from a cache at the client when the counter  
5 exceeds a limit value.

6  
7       Claim 7 (Original):           The method of claim 1, further comprising:  
8              incrementing a counter for the cached policy when a fault is received at the  
9 client in response to using the cached policy; and  
10             removing the cached policy from a cache at the client when the counter  
11 exceeds a limit value.

12  
13      Claim 8 (Original):           The method of claim 1, further comprising  
14 logging a diagnostic event when a fault is received at the client to identify a system  
15 problem.

16  
17      Claim 9 (Previously presented):   A method comprising:  
18              extracting at a host a policy digest identifying a cached policy that applies  
19 to a client, the policy digest included in a request to access a resource; and  
20              denying access to the resource if the policy digest identifies an invalid  
21 policy.

22  
23      Claim 10 (Original):           The method of claim 9, further comprising  
24 issuing a fault for the client if the policy digest identifies an invalid policy.  
25

1           Claim 11 (Original):       The method of claim 9, further comprising  
2 decoding the policy digest.

3

4           Claim 12 (Original):       The method of claim 9, further comprising  
5 decoding a bit vector of the cached policy.

6

7           Claim 13 (Original):       The method of claim 9, further comprising  
8 reading an assertion from the policy digest.

9

10          Claim 14 (Original):       The method of claim 9, further comprising  
11 reading a row hash of the cached policy.

12

13          Claim 15 (Previously presented): A system comprising:  
14            a policy digest identifying at least one cached policy that applies to a client;  
15 and

16            a messaging module denying access to a resource if the policy digest  
17 identifies an invalid policy for the resource.

18

19          Claim 16 (Original):       The system of claim 15, wherein the messaging  
20 module extracts the policy digest from a message requesting access to the resource.

21

22          Claim 17 (Original):       The system of claim 15, wherein the messaging  
23 module decodes the policy digest.

1           Claim 18 (Original):       The system of claim 15, wherein the policy  
2 digest is a bit vector of a cached policy.

3

4           Claim 19 (Original):       The system of claim 15, wherein the policy  
5 digest is a row hash of a normalized policy.

6

7           Claim 20 (Original):       The system of claim 15, wherein the policy  
8 digest identifies at least one selected assertion.

9

10          Claim 21 (Previously presented): A system comprising:  
11            a policy digest for a cached policy that applies to a client, the policy digest  
12 identifying at least one assertion the client is complying with; and  
13            a messaging module including the policy digest in a request by the client to  
14 access a resource.

15

16          Claim 22 (Original):       The system of claim 21, wherein the messaging  
17 module encodes the policy digest.

18

19          Claim 23 (Original):       The system of claim 21, wherein the policy  
20 digest is a bit vector of a cached policy.

21

22          Claim 24 (Original):       The system of claim 21, wherein the policy  
23 digest is a row hash of a normalized policy.

1           Claim 25 (Original):       The system of claim 21, wherein the policy  
2 digest identifies at least one assertion selected by the client.

3

4           Claim 26 (Previously presented): A computer program product encoding a  
5 computer program for executing on a computer system a computer process, the  
6 computer process comprising:

7           generating a policy digest for a cached policy that applies to a client, the  
8 policy digest identifying at least one assertion the client is complying with; and  
9           including the policy digest in a request by the client to access a resource.

10

11          Claim 27 (Original):       The computer program product of claim 26  
12 wherein the computer process further comprises generating a hash of the cached  
13 policy.

14

15          Claim 28 (Original):       The computer program product of claim 26  
16 wherein the computer process further comprises encoding a bit vector of the  
17 cached policy.

18

19          Claim 29 (Original):       The computer program product of claim 26  
20 wherein the computer process further comprises reading an assertion from the  
21 policy, assigning a bit value to the assertion, and writing the bit value to a bit  
22 vector.

1           Claim 30 (Original):       The computer program product of claim 26  
2 wherein the computer process further comprises generating a row hash of the  
3 cached policy if the cached policy is normalized.

4

5           Claim 31 (Original):       The computer program product of claim 26,  
6 wherein the computer process further comprises:

7                 incrementing a counter each time the cached policy is used; and  
8                 removing the cached policy from a cache at the client when the counter  
9 exceeds a limit value.

10

11          Claim 32 (Original):       The computer program product of claim 26  
12 wherein the computer process further comprises:

13                 incrementing a counter for the cached policy when a fault is received at the  
14 client in response to using the cached policy; and

15                 removing the cached policy from a cache at the client when the counter  
16 exceeds a limit value.

17

18          Claim 33 (Original):       The computer program product of claim 26  
19 wherein the computer process further comprises triggering a diagnostic event when  
20 a fault is received at the client.

1       Claim 34 (Previously presented): A computer program product encoding a  
2 computer program for executing on a computer system a computer process, the  
3 computer process comprising:

4             extracting at a host a policy digest identifying a cached policy that applies  
5 to a client, the policy digest included in a request to access a resource; and

6             denying access to the resource if the policy digest identifies an invalid  
7 policy.

8  
9       Claim 35 (Original):       The computer program product of claim 34  
10 wherein the computer process further comprises decoding the policy digest.

11  
12      Claim 36 (Original):       The computer program product of claim 34  
13 wherein the computer process further comprises decoding a bit vector of the  
14 cached policy.

15  
16      Claim 37 (Original):       The computer program product of claim 34  
17 wherein the computer process further comprises reading an assertion from the  
18 policy digest.

19  
20      Claim 38 (Original):       The computer program product of claim 34  
21 wherein the computer process further comprises reading a row hash of the cached  
22 policy if the cached policy is normalized.